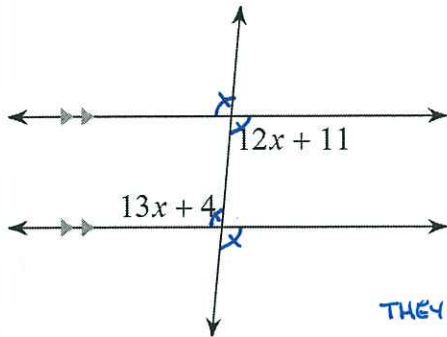


Name: _____ TP: _____

Failure to show work on all problems or use complete sentences will result in a LaSalle.

Transversal & Parallel Lines

1) What is the angle relationship you will use to solve for w below? Alternate Interior Angles



THEY ARE CONGRUENT!

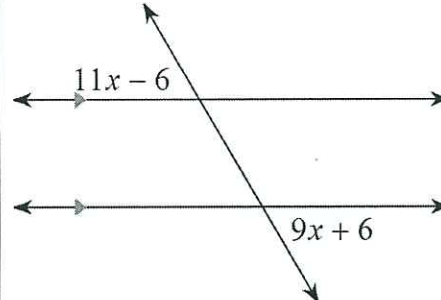
b) Solve for x :

$$\begin{array}{r} 13x + 4 = 12x + 11 \\ -12x \quad -12x \\ \hline x + 4 = 11 \\ -4 \quad -4 \\ \hline x = 7 \end{array}$$

c) What is the measure of the given angles? _____

* Plug it in!

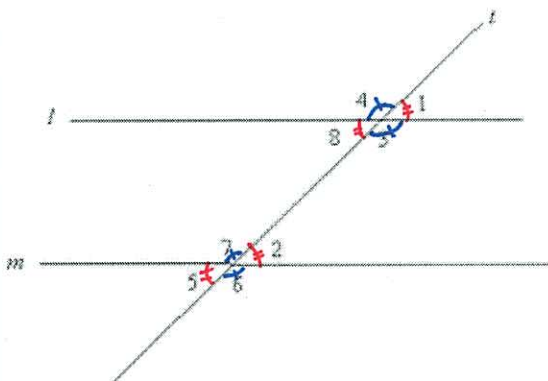
2a) What is the angle relationship you will use to solve for x below? _____



b) Solve for x :

c) What is the measure of the given angles? _____

3) In the figure below, lines l and m are parallel and they are intersected by line t . What is the relationship between $\angle 4$ and $\angle 7$?



a) $m\angle 4 \cong m\angle 7$

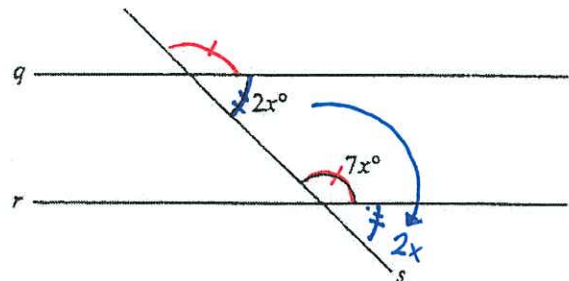
b) $m\angle 4 + m\angle 7 = 90^\circ$

c) $m\angle 4 + m\angle 7 = 180^\circ$

d) $m\angle 4 > m\angle 7$

4a) What is the angle relationship you will use to solve for x below? _____

In the figure below, parallel lines q and r are intersected by line s . What is the value of x ?

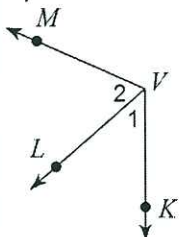


- F. 9
- G. 16
- H. 20
- J. 40
- K. 55

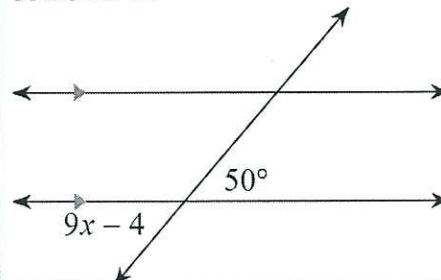
$$7x + 2x = 180^\circ$$

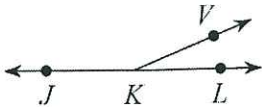
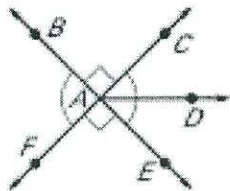
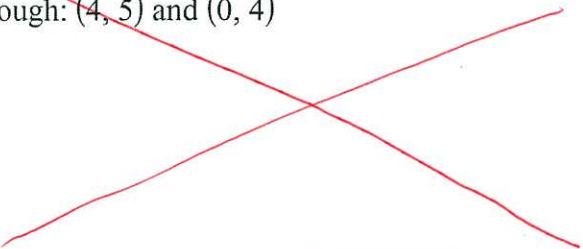
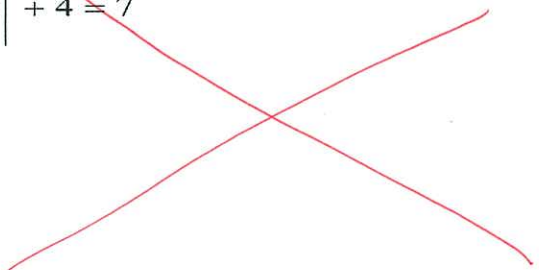
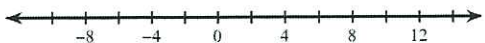

What's Your Angle Review

5) Name all angles that have V as a vertex.



6) What is the angle pair relationship you will use to solve for x ?



<p>7) $m\angle JKV = 157^\circ$, $m\angle VKL = 23x - 1$, and $m\angle JKL = 180x - 1$. Find $m\angle VKL$.</p> 	<p>b) Solve for x!</p> <p>8) Name <i>all</i> obtuse angles in the given figure:</p> 
<p>9) Write the equation of the line through: $(0, -5)$ and $(-5, 3)$</p> <p>m: $\frac{3 - (-5)}{-5 - 0} = \frac{8}{-5}$</p> <p>b: $-5 = \frac{-8}{5}(0) + b$ $b = -5$</p> <p>$y = mx + b$ $y = -\frac{8}{5}x - 5$</p>	<p>10) Write the equation of the line through: $(4, 5)$ and $(0, 4)$</p> 
<p>11) Write the equation of the line through the given point with the given slope: through: $(1, 1)$, slope $= -4$</p>	<p>12) Write the equation of the line through the given point with the given slope: through: $(-2, -2)$, slope $= \frac{7}{2}$</p>
<p>13) Solve the equation: $-3 -4b + 5 = -45$</p>	<p>14) Solve the equation: $3\left \frac{r}{7}\right + 4 = 7$</p> 
<p>15) Solve the inequality and graph the solutions: $\frac{ x - 1 }{3} > 3$</p> 	<p>16) Solve the inequality and graph the solutions: $3 - 2 2n + 4 \leq -13$</p> 

PUSH IT TO THE LIMIT.